

## REFERENCES

- Agler, B. A., S. J. Kendall, P. E. Seiser, and D. B. Irons. 1995. Estimates of Marine Bird and Sea Otter Abundance in Lower Cook Inlet, Alaska During Summer 1993 and Winter 1994. Migratory Bird Management, United States Fish and Wildlife Service, Anchorage, Alaska. 121 pp.
- Ballachey, B.E., C.S. Gorbics, and A.M. Doroff. 2002. Sea otter mortality in Orca Inlet, Prince William Sound, Alaska, Winter 1995-1996. United States Fish & Wildlife Service, Marine Mammals Management Technical Report, MMM 02-1. 54pp.
- Ballachey B. E., J. L. Bodkin, S. Howlin, A. M. Doroff, and A. H. Rebar. In press. Correlates to Survival of Juvenile Sea Otters in Prince William Sound, Alaska. Canadian Journal of Zoology
- Barabash-Nikiforov, I.I. 1947. Kalan (The sea otter). Soviet Ministry RSFSR. (Translated from Russian by Israel Program for Scientific Translation, Jerusalem, Isreal, 1962) 227pp.
- Barabash-Nikiforov I. I., S. V. Marakov, and A. M. Nikolaev. 1968. Otters (sea otters). Izd-vo Nauka, Leningrad. 184pp. [In Russian]
- Bodkin, J.L., B.E. Ballachey, and M.A. Cronin. 1992. Mitochondrial DNA and the conservation and management of sea otters. Research Information Bulletin, United States Department of the Interior 37:1-3.
- Bodkin, J.L., B.E. Ballachey, M.A. Cronin, and K.T. Scribner. 1999. Population demographics and genetic diversity from remnant and reestablished populations of sea otters (*Enhydra lutris*). Conservation Biology 13:1378-1385.
- Bodkin, J. L., and M. S. Udevitz. 1999. An aerial survey method to estimate sea otter abundance. Pages 13-26 in G.W. Garner et al., editors. Marine Mammal Survey and Assessment Methods. Balkema, Rotterdam, Netherlands.
- Bodkin, J.L., G.G. Esslinger, and D.H. Monson. 2004. Foraging depths of sea otters and implications to coastal marine communities. Marine Mammal Science. 20(2):305-321.
- Brueggeman, J. J., G. A. Green, R. A. Grotfendt, and D. G. Chapman. 1988. Aerial surveys of sea otters in the northwestern Gulf of Alaska and the southeastern Bering Sea. Minerals Management Service and NOAA Final Report. Anchorage, Alaska.
- Burn, D.M., A.M. Doroff, and M.T. Tinker. 2003. Estimated carrying capacity and pre-decline abundance of sea otters (*Enhydra lutris kenyoni*) in the Aleutian islands. Northwestern Naturalist. 84(3):145-148.

Burn, D.M. and A.M. Doroff. 2005. Decline in sea otter (*Enhydra lutris*) populations along the Alaska Peninsula, 1986-2001. *Fishery Bulletin* 103:270-279.

Calkins, D.G., and K.B. Schneider. 1985. The sea otter (*Enhydra lutris*). Pages 37-45. In: *Marine Mammals Species Accounts*. J.J. Burns K.J. Frost, and L.F. Lowry (Eds.). Alaska Department of Fish and Game, Technical Bulletin 7.

Costa, D.P. 1978. The ecological energetics, water, and electrolyte balance of the California sea otter, *Enhydra lutris*. Ph.D. Dissertation, University of California, Santa Cruz, California. 78pp.

Costa, D.P., and G.L. Kooyman. 1982. Oxygen consumption, thermoregulation, and the effect of fur oiling and washing on the sea otter, *Enhydra lutris*. *Canadian Journal of Zoology*. 60:2761-2767.

Costa, D.P., and G.L. Kooyman. 1984. Contribution of specific dynamic action to heat balance and thermoregulation in the sea otter, *Enhydra lutris*. *Physiological Zoology*. 57:199-203.

Cronin, M.A., J.L. Bodkin, B.E. Ballachey, J.A. Estes, and J.C. Patton. 1996. Mitochondrial-DNA variation among subspecies and populations of sea otters, (*Enhydra lutris*). *Journal of Mammalogy* 77:546-557.

Cronin, M. A., L. Jack and W.G. Buchholz. 2002. Microsatellite DNA and Mitochondrial DNA Variation in Sea Otters in Alaska. LGL Alaska Research Associates, Inc. 1101 E. 76th Avenue, Suite B, Anchorage, Alaska 99518. Final Report #P617. 17pp.

DeGange, A.R., Doroff, A.M., and D.H. Monson. 1994. Experimental Recovery of sea otter carcasses at Kodiak Island, Alaska, following the Exxon Valdez oil spill. *Marine Mammal Science*. 10:492-496.

DeGange, A.R., D.C. Douglas, D.H. Monson, and C.M. Robbins. 1995. Surveys of Sea Otters in the Gulf of Alaska in Response to the Exxon Valdez Oil Spill. *Natural Resource Damage Assessment Marine Mammal Study 6-7*. Final Report. 11pp.

Dizon, A.E., C. Lockyer, W.F. Perrin, D.P. DeMaster, and J. Sisson. 1992. Rethinking the stock concept: a phylogeographic approach. *Conservation Biology*, 6:24-36.

Doroff, A. M., A. R. DeGange, C. Lensink, B. E. Ballachey, J. L. Bodkin, and D. Bruden. 1993. Recovery of sea otter carcasses following the Exxon Valdez oil spill. Pages 285-287. In: *Exxon Valdez Oil Spill Symposium Abstracts*. Oil Spill Public Information Center, 645 G Street, Anchorage, Alaska 99501.

- Doroff, A. M., J. A. Estes, M. T. Tinker, D. M. Burn, and T. J. Evans. 2003. Sea otter population declines in the Aleutian Archipelago. *J. Mammalogy*. 84(1):55-64.
- Doroff, A.M., D.M. Burn, R.A. Stovall, and V.A. Gill. In prep. Unexpected population declines of sea otters in the Kodiak Archipelago, Alaska.
- Estes, J.A. 1980. *Enhydra lutris*. American Society of Mammalogists. *Mammalian Species* 133. 8pp.
- Estes, J.A. 1990. Growth and equilibrium in sea otter populations. *Journal of Animal Ecology* 59:385-401.
- Estes, J.A., and C. Harrold. 1988. Sea otters, sea urchins, and kelp beds: some questions of scale. Pages 116-150 in G.R. VanBlaricom and J.A. Estes, eds. *The community ecology of sea otters*. Springer-Verlag, Berlin, West Germany.
- Estes J. A and M. T. Tinker. 1996. The population ecology of sea otters at Adak Island, Alaska. Final report to the Navel Facilities Engineering Command 19917 7th Ave. NE, Poulsbo, WA 98370-7570. 37 pp.
- Estes, J.A., N.S. Smith, and J.F. Palmisano. 1978. Sea otter predation and community organization in the western Aleutian islands, Alaska. *Ecology*. 59:822-833.
- Estes, J.A., R.J. Jameson, and E.B. Rhode. 1982. Activity and prey selection in the sea otter: influence of population status on community structure. *American Naturalist*. 120:242-258.
- Estes, J.A., M.T. Tinker, T.M. Williams, and D.F. Doak. 1998. Killer Whale Predation Linking Oceanic and Nearshore Ecosystems. *Science* 282: 473-476.
- Estes, J.A., M.T. Tinker, A.M. Doroff, and D.M. Burn. 2005. Continuing sea otter population declines in the Aleutian archipelago. *Marine Mammal Science*. 21:169-172.
- Evans, T.J., D.M. Burn, and A.R. DeGange. 1997. Distribution and Relative Abundance of Sea Otters in the Aleutian Archipelago. United States Fish & Wildlife Service, Marine Mammals Management Technical Report, MMM 97-5. 29pp.
- Fadely, B.S., and M. Merklein. 2001. Update of preliminary analysis of marine mammal interactions, entanglements, and mortalities observed during the Cook Inlet salmon drift and set gillnet fisheries, 1999-2000. National Marine Mammal Laboratory, Alaska Fisheries Science Center report. 10pp.

- Funk, F. 2003. Overview of state-managed marine fisheries in southwest Alaska, with reference to northern sea otters. Alaska Department of Fish and Game, Juneau, Alaska. Regional Information Report 5J03-02.
- Garshelis, D.L. 1983. Ecology of sea otters in Prince William Sound, Alaska. Ph.D. Dissertation. University of Minnesota, Minneapolis, Minnesota. 321pp.
- Garshelis, D. L and J. A. Garshelis. 1984. Movements and management of sea otters in Alaska. *J. Wildl. Manage.* 48:665-678.
- Garshelis, D.L., A.M. Johnson, and J.A. Garshelis. 1984. Social organization of sea otters in Prince William Sound, Alaska. *Canadian Journal of Zoology.* 62:2648-2658.
- Gorbics, C.S., and J.L. Bodkin. 2001. Stock structure of sea otters (*Enhydra lutris kenyoni*) in Alaska. *Marine Mammal Science,* 17(3): 632-647.
- Handler, R. F. 1990. Sea otter survey and capture effort, Kodiak Island archipelago and Alaska Peninsula. Pages 78-89 in: K. Bayha and J. Kormendy editors *Sea Otter Symposium: Proceedings to evaluate the response effort on behalf of sea otters after the T/V Exxon Valdez oil spill into Prince William Sound.* United States Fish and Wildlife Service Biological Report 90(12) USA.
- Jameson, R. J. 1983. Evidence of birth of a sea otter on land in central California. *California Fish and Game.* 69(2):122-123.
- Jameson, R.J., K.W. Kenyon, A.M. Johnson, and H.M. Wight. 1982. History and status of translocated sea otter populations in North America. *Wildlife Society Bulletin.* 10:100-107.
- Jameson, R.J., and S. Jeffries. 2004. Results of the 2004 survey of the reintroduced sea otter population in Washington state. Unpublished Report. 6pp.
- Johnson, A.M. 1982. Status of Alaska sea otter populations and developing conflicts with fisheries. *Trans. 47th North American Wildlife and Natural Resources Conference:* 293-299.
- Kenyon, K. W. 1969. The Sea Otter in the Eastern Pacific Ocean. United States Department of the Interior. *North American Fauna, Number 68.* 352pp.
- King, M., K. Williams, and D. Willoya. 2000. Summary of sea otter mortality in Orca Inlet of Prince William Sound, Alaska, Years 1995-2000. Alaska Sea Otter and Steller Sea Lion Commission, Internal Report.

- Larson, S., R. Jameson, J. Bodkin, M. Staedler, and P. Bentzen. 2002. Microsatellite DNA and mitochondrial DNA variation in remnant and translocated sea otter (*Enhydra lutris*) populations. *Journal of Mammalogy*. 83(3):893-906.
- Lensink, C.J. 1962. The history and status of sea otters in Alaska. Ph.D. Dissertation. Purdue University, West Lafayette, Indiana. 188pp.
- Manly, B.F.J., A.S. Van Atten, K.J. Kuletz, and C. Nations. 2003. Incidental catch of marine mammals and birds in the Kodiak Island set gillnet fishery in 2002. Western EcoSystems Technology Inc. Report. Cheyenne, Wyoming, USA. 91pp.
- Monnett, C. and L. M. Rotterman. 1988. Movement patterns of adult female and weanling sea otters in Prince William Sound, Alaska. Pages 131-161 in D.B. Siniff and K. Ralls. Population status of California sea otters. Final report to the Minerals Management Service, U. S. Department of Interior 14-12-001-3003.
- Monson, D. H. and A. R. DeGange. 1995. Reproduction, preweaning survival, and survival of adult sea otters at Kodiak Island, Alaska. *Canadian Journal of Zoology* 73:1161-1169.
- Monson, D. H., J. A. Estes, J. L. Bodkin, and D. B. Siniff. 2000. Life history plasticity and population regulation in sea otters. *OIKOS* 90:457-468.
- Pitcher, K.W. 1989. Studies of southeastern Alaska sea otter populations: distribution, abundance, structure, range expansion, and potential conflicts with shellfisheries. Alaska Department of Fish and Game. Anchorage, Alaska, USA. 24pp.
- Ralls, K., Siniff, D.B., A.M. Doroff and A. Mercure. 1992. Movement Patterns of Sea Otters Relocated Along the California Coast. *Marine Mammal Science* 1992(2):179-184.
- Ralls, K., Eagle, T. C., and D. B. Siniff. 1996. Movement and spatial use patterns of California sea otters. *Canadian Journal of Zoology* 74:1841-1849.
- Riedman, M.L., and J.A. Estes. 1990. The sea otter (*Enhydra lutris*): Behavior, Ecology, and Natural History. United States Fish and Wildlife Service, Biological Report 90(14). 126pp.
- Rotterman, L.M. and T. Simon-Jackson. 1988. Sea Otter (*Enhydra lutris*). Pages 237-275. In: Selected marine mammals of Alaska: Species accounts with research and management recommendations. J.W. Lentfer (Ed.). Marine Mammals Commission, Washington, D.C.
- Rugh, D.J., K.E.W. Shelden, and B.A. Mahoney. 2000. Distribution of belugas, *Delphinapterus leucas*, in Cook Inlet, Alaska, during June/July 1993-2000. *Mar. Fish. Rev.* 63(3):6-21.

- Sanchez, M.S. 192. Differentiation and variability of mitochondrial DNA in three sea otter, *Enhydra lutris*, populations. M.S. thesis, University of California, Santa Cruz, California. 101pp.
- Schneider, K. B. 1976. Assessment of the distribution and abundance of sea otters along the Kenai Peninsula, Kamishak Bay, and the Kodiak archipelago. OCSEAP Final Rep. No. 37, United States Dept. of Commerce, National Oceanographic and Atmospheric Administration, Anchorage, Alaska USA.
- Schneider, K. 1978. Distribution and abundance of sea otters in southwestern Bristol Bay. Alaska department of Fish and Game. Contract #03-5-022-69. Final Report.
- Schneider, K.B. 1978. Reproduction in the female sea otter in the Aleutian islands. Alaska Department of Fish and Game. Unpublished report.
- Sherrod, S.K., J.A. Estes, and C.M. White. 1975. Depredation of sea otter pups by bald eagles at Amchitka Island, Alaska. *Journal of Mammalogy*. 56:701-703.
- Simon-Jackson, T. 1988. Take of sea otters by Alaska Natives (through 1986). Internal report. United States Fish and Wildlife Service, Marine Mammals Management, 1011 East Tudor Road, Anchorage, Alaska 99503 USA. 6pp.
- Simon-Jackson, T., D. Taylor, S. Schliebe, and M. Vivion. 1984. Sea otter survey, Kodiak archipelago, Alaska - 1984. Internal report. United States Fish and Wildlife Service, Marine Mammals Management 1011 East Tudor Road, Anchorage, Alaska 99503 USA.
- Simon-Jackson, T., M. Vivion, and D. Zwiefelhofer. 1985. Sea otter survey, Kodiak archipelago, Alaska - 1985. Internal report. United States Fish and Wildlife Service, Marine Mammals Management 1011 East Tudor Road, Anchorage, Alaska 99503 USA.
- Sinha, A.A., C.H. Conaway, and K.W. Kenyon. 1966. Reproduction in the female sea otter. *Journal Wildlife Management*. 30:121-130.
- Springer, A.M, J.A. Estes, G.B. van Vliet, T.M. Williams, D.P. DeMaster, D.F. Doak, E.M. Danner, K.A. Forney, and B. Pfister. In prep. Sequential megafaunal collapse in the North Pacific Ocean: an ongoing legacy of industrial whaling?
- Udevitz, M.S., J.L. Bodkin, and D.P. Costa. 1995. Detection of sea otters in boat-based surveys of Prince William Sound, Alaska. *Marine Mammal Science*, 11(1): 9-71.
- United States Fish and Wildlife Service. 2002a. Sea Otter (*Enhydra lutris*): southwest Alaska stock. *Marine Mammal Protection Act Stock Assessment Report*. 8pp.

United States Fish and Wildlife Service. 2002b. Sea Otter (*Enhydra lutris*): southeast Alaska stock. Marine Mammal Protection Act Stock Assessment Report. 6pp.

United States Fish and Wildlife Service. 2002c. Sea Otter (*Enhydra lutris*): southcentral Alaska stock. Marine Mammal Protection Act Stock Assessment Report. 6pp.

Watson, J.C., G. Ellis, and K.B. Ford. 1997. Population growth and expansion in the British Columbia sea otter population. Sixth Joint U.S.-Russia sea otter workshop. Forks, Washington.

Wilson, D.E., M.A. Bogan, R.L. Brownell, Jr., A.M. Burdin, and M.K. Maminov. 1991. Geographic variation in sea otters, *Enhydra lutris*. Journal of Mammalogy 72:22-36.

## **IN LITERATURE**

Murphy, B. 2002. (Alaska Department of Fish and Game) Memorandum to Douglas Burn (incorrectly listed as "Don Beard") regarding sea otter observations in the Port Moller area of the Alaska Peninsula. April 26, 2002.

Tinker, T. 2003. (University of California at Santa Cruz). E-mail to Douglas Burn regarding live-captures of sea otters in southwest Alaska. January 6, 2003.

U.S. Fish and Wildlife Service. 2004. Sea otter population surveys in the Eastern Aleutians and Alaska Peninsula, 2004. (Untitled)

U.S. Geological Survey. 2002. Kenai Peninsula and Lower Cook Inlet aerial survey of sea otters, May 22 - August 7, 2002. (Untitled)